

CURRICULUM VITAE R.D. GILL

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SCIENTIFIC CAREER: DEGREES, POSITIONS, VISITING POSITIONS

1970–1973 Mathematics study, University of Cambridge: B.A. degree, 1st class, 1973

1973–1974 Diploma in Statistics, University of Cambridge: Diploma in Statistics, with distinction, 1974

1974–1983 Research associate at Department of Mathematical Statistics, Mathematical Centre (MC), Amsterdam; now Centre for Mathematics and Computer Science (CWI)

1979 Ph.D. degree in mathematics and natural sciences at Free University, Amsterdam; thesis: *Censoring and Stochastic Integrals*, thesis supervisor: Prof. dr. J. Oosterhoff

1979–1982 Part-time research associate at Interfaculty for Actuarial Science and Econometrics, Free University, Amsterdam

1980 (Autumn) Project researcher for four months at Statistical Research Unit (Danish Medical and Social Sciences Research Councils), Copenhagen

1983–1988 Head of Department of Mathematical Statistics, Centre for Mathematics and Computer Science, Amsterdam

1986–1990 Special professorship at the University of Leiden

1988–2006 Professor of mathematical stochastics, Dept. of Mathematics, University of Utrecht

1998–1999 Sabbatical year: Autumn semester at University of Western Australia, Perth; Spring semester at EURANDOM, Eindhoven

1999–_ Advisor/coordinator of statistics projects at EURANDOM, Eindhoven

1995–1998 Department chairman, Dept. of Math., Univ. of Utrecht

2003 (Autumn) Sabbatical, University of Greifswald, Germany

2006–_ Professor of Mathematical Statistics, University of Leiden

2006 (Autumn) University Guest Professorship at University Aarhus (Physics and Mathematics)

DISTINCTIONS, SPECIAL INVITATIONS, APPOINTMENTS ...

- 1981 Invited lecturer at Summer School of Probability, Kuusamo, Finland
- 1984 Elected member of International Statistical Institute
- 1988 Lecture course on semiparametric models at the University of Michigan, E. Lansing
- 1989 Special invited lecture at the IMS meeting at Davis, California
- 1989 Elected fellow of IMS
- 1990–1996 Editor-in-chief of *Statistica Neerlandica*
- 1990 Winner of van Dantzig prize (awarded every 5 years by Dutch Statistical Society)
- 1992 Lecturer at Saint Flour Summer School of Probability
- 1992 Programme chairman, European Meeting of Statisticians, Bath
- 1992–1996 Scientific secretary Bernoulli Society
- 1995 Keynote speaker at First Seattle Symposium in Biostatistics
- 1998 Opening lecture, 22nd European Meeting of Statisticians, Vilnius
- 1999 Elected member of Royal Dutch Academy of Sciences
- 2001 Invited lecture course at University of Vannes, Brittany
- 2001 Programme chairman, 53e ISI Session, Seoul
- 2003 Read paper to Royal Statistical Society, London on quantum statistics
- 2003 ISI Thompson highly cited list (one of 248 most cited mathematicians in World, one of 65 most cited scientists in Netherlands)
- 2006 Invited lecture course on quantum statistics, ENS, Paris
- 2007– President of Dutch society for statistics and operations research
- 2008 LeCam lecture at joint meeting of Statistical Society of Canada and French Statistical Society at Ottawa

EDITORIAL

- Coeditor of *CWI Newsletter*, 1984–1988
- Associate editor of *Annals of Statistics*, 1986–1992, 2006–
- Member of editorial board for translation of *Soviet Encyclopaedia of Mathematics*
- Associate editor of *Probability and Mathematical Statistics*, 1992–
- Associate editor of *Mathematical Methods of Statistics*, 1992–
- Associate editor of *BERNOULLI*, 1995–2002
- Associate editor of *Statistica Neerlandica*, 1996–2004
- Associate editor of *International Statistical Review*, 2000–

Member editorial board *Cambridge Series in Statistical and Probabilistic Mathematics*, 2000–
Emergency reviewer and adjudicator for *J. Phys. A*, 2003–
Associate editor of *Electronic Journal of Statistics*, 2006–

ADVISORY/ORGANISATIONAL, GRANTS, NETWORKS

Scientific advisor to dept. of statistics, Centre for Mathematics and Computer Science, 1988–1993

Chairman advisory board, dept. of OR and stochastics, Centre for Mathematics and Computer Science, 1995–

Chairman of automatisisation committee (Dept. of Math., Univ. of Utrecht), 1988–1995

Project leader ‘statistical models for software reliability’, Technology Foundation, 1989–1993

Chairman of postdoc and PhD committees, (Dept. of Math., Univ. of Utrecht), 1992–1995

Member evaluation committee, INRA biostatistics group, Jouy-en-Josas, 1992

Member European Network on Statistical Inference for Stochastic Processes

Project-leader HCM project ‘stochastics at MRI’

Applicant NATO grant ‘multivariate semiparametric models’; also second term

Member European Network on semiparametric models

Member INTAS project on asymptotic statistics

Co-applicant Dutch Science Foundation project ‘computer-intensive methods in stochastics’, 1992–1995, yielded one PhD position in Utrecht

Co-applicant for Dutch Science Foundation special year on ‘probabilistic algorithms and algorithmic probability’ , 1995–1996

Board-member of research school MRI, 1992–1996

Associate member EU network ‘Quantum Probability with Applications to Physics, Information Theory and Biology’, 2003–2006

NWO project ‘Quantum statistical information’ (one PhD position), 2001–2004

Member European Network RESQ (Resources for Quantum Computation), 2001–2004; yielded one postdoc position in Utrecht

Member of European Network of Excellence QUIPROCONE (Quantum Information Processing and Communications), 2001–2004

Member European Network PASCAL (Pattern Analysis, Statistical Modelling and Computational Learning), 2004–

Member scientific council EURANDOM, 2000–2004

Member evaluation committee, Swedish science research council special grants program, 2004

Presently member of ACW (Advies Commissie Wiskunde, NWO)

PHD STUDENTS

I do not list here the many PhD students of members of my group in Utrecht for whom I acted as “promotor”

B.F. Schriever, 1985 (joint with J. Oosterhoff), *Order Dependence*, Free University Amsterdam

S.A. van der Geer, 1987 (joint with W.R. van Zwet), *Regression Analysis and Empirical Processes*, Leiden

H. Baayen, 1989 (joint with G.E. Booij), *A Corpus-Based Approach to Morphological Productivity*, Amsterdam

L. van der Gaag, 1990 (joint with J.A. Bergstra), *Probability Based Models for Plausible Reasoning*, Amsterdam

M.J. van der Laan, 1993, *Efficient and Inefficient Estimation in Semiparametric Models*, Utrecht

M.C.J. van Pul, 1993, *Statistical Analysis of Software Reliability Models*, Utrecht

M.B. Hansen, 1995 (joint with M. Rudemo), *Spatial statistics for network structures in processed milk*, Copenhagen

B.J. Wijers, 1995, *Nonparametric estimation for a windowed line-segment process*, Utrecht

Y. Nishiyama, 1998, *Martingale central limit theory*

E. van Zwet, 1999, *Statistical estimation for a stationary line segment process observed through an irregular window*, Utrecht

E. Parner, 2001, *Semiparametric frailty models*, Aarhus

J.J. Lok, 2001, *Causality in longitudinal observational studies*, Free University

M. Ballester, 2005, *Quantum statistical information*, Utrecht

J. Kahn, 2008, *Quantum statistical information*, Leiden

CONFERENCE ORGANISATION

Member of organizing committee of European Young Statisticians' Meeting, Bressanone, Italy, 1982

Organiser of meeting on semiparametric models at ISI Centenary Session in Amsterdam, 1985

Programme chairman of Satellite Meeting on Mathematical Statistics and Probability, Maastricht, 1985

Organizer of workshop on statistical methods in image analysis, CWI, Amsterdam, 1987

Organizer of session on point processes and empirical processes at Banach Centre 'Semester on asymptotic statistics and robustness', 1989

Co-organiser of semester on semiparametric models and survival analysis, Mathematical Sciences Research Institute, Berkeley, 1991

Member national advisory board, 7th International Conference on Stochastic Processes, Amsterdam, 1993

Organiser special contributed paper session on convergence of experiments, ISI meeting Florence, 1993

Organiser special contributed paper session on survival analysis, ISI meeting Beijing, 1995

Organizer of Oberwolfach meeting on martingale methods in statistics, 1988, and on Mathematical Stochastics, 1997

Organiser workshop on semiparametric models, Utrecht, 1994

Member of programme committee, 3rd World Congress Bernoulli Society, Chapel Hill, 1994

Member of programme committee, 4th World Congress Bernoulli Society, Vienna, 1996

Organiser two workshops on Probabilistic Algorithms and Algorithmic Probability, Utrecht, 1995, 1996

Bernoulli Society programme representative, ISI meeting Helsinki, 1997

Organiser special contributed paper session on quantum statistics, ISI meeting Berlin, 2003

Member of network *QRANDOM* which organised workshops in Aarhus, 1999, Eindhoven, 2001, Dresden, 2002, Aarhus, 2003

Coorganiser of annual Lunteren meeting on mathematical stochastics, 2001–

Co-organiser of *Quantum Mechanics at the Large Scale*, PIMS, Banff, 2004

Coorganiser special focus week on Quantum Statistics, Newton Institute, Cambridge, 2004

Member int. advisory committee of *3th Asia-Pacific Workshop on Quantum Information Science*, Singapore, 2005

Organiser of summer school on quantum information, Max Planck Institute (Complex Physical Systems), Dresden, 2005

Member programme committee of *ERATO Conference on Quantum Information Science*, Tokyo 2005

As a EURANDOM coordinator I am an initiator/coorganiser of one or two workshops per year (statistical learning, statistics in molecular biology, inverse problems in statistics, statistics in image analysis and spatial statistics, ...)

SCIENTIFIC SOCIETIES

Member of European Regional Committee of Bernoulli Society for Mathematical Statistics and Probability, 1986–1990

Correspondent of *IMS bulletin*, 1988–1991

Member of selection committee IMS invited papers, 1990–1994

Member of IMS committee travel grants for young researchers, 1991–1994

Member of council of IMS, 1996–2000, 2003–2006

Member of board of Mathematical Statistics Section of Dutch Statistical Society (VVS), 1983–1987

Jury member VVS prize for best master's thesis, 1989–1996

Member of examination committee 'statistician VVS', 1986–1989

Chairman VVS committee Van Dantzig Prize 1995, 2005

Chairman KNWG committee Brouwer Medal, 2006

Member of Bernoulli Society's Year 2000 Committee

Chairman VVS committee Van Dantzig Prize 2005

Member of Bernoulli Society's Committee for Statistics and Probability in the Physical Sciences

Advisor to Bernoulli Society Publication Committee on Electronic Publishing, Liaison with IMS

Member scientific council of AQPIDA (Association for Quantum Probability and Infinite Dimensional Analysis)

INVITED LECTURES at conferences and workshops (incomplete)

European Meeting of Statisticians at Brighton, 1980

2nd Heidelberg Symposium on Clinical Trials in Early Breast Cancer, 1981

Symposium on Data Theory in Rotterdam, 1982

Discussant on dependent central limit theory at the ISI Session in Madrid, 1983

London workshop on survival analysis, 1985

Discussant on the analysis of combined continuous/discrete data at the ISI session in Amsterdam, 1985

Discussant on dependent survival data at the Royal Statistical Society, London, 1985

Heidelberg Statistics Days, 1986

European Meeting on Statistics in East Berlin, 1988

Prague symposium on asymptotic statistics, 1988

Dutch Statistical Society biostatistical section's meeting on survival analysis, 1989

Dusseldorf meeting on statistical methods in dental implantology, 1989

Special invited lecture at the IMS meeting at Davis, California 1989

Dutch Statistical Society symposium on statistical auditing, 1990

European Meeting of Statisticians in Uppsala, 1990

23eme Journées de Statistiques, Strasbourg, 1991

French statistical society meeting, Paris, 1992

Lecturer at Saint Flour Summer School of Probability, 1992

Nordic meeting of Biometric society, Copenhagen, 1993

Belgian statistical society, de Haan, 1993

Yale workshop on asymptotic methods in statistical decision theory, 1994

Odense workshop on the oldest old, 1994

Workshop on counting processes, Milan, 1995

Workshop on incomplete data in clinical and epidemiological studies, Freiburg, 1995

Conference on likelihood, asymptotics and neo-Fisherian inference, Bressanone, 1995

European Meeting of Statisticians in Aarhus, 1995

Workshop on stochastic geometry, Sandbjerg, Denmark, 1995

Düsseldorf workshop on implantation statistics, 1995

Participant in Oberwolfach RiP programme, meetings on causality, 1996, and quantum statistics, 1996

European Meeting of Statisticians in Madeira, 2002

Foundations of Probability and Physics 2, Växjö, Sweden, 2002

Copenhagen Symposium on Biostatistics, 2003

Luminy meetings on asymptotic statistics, 2003, 2005

NATO Advanced Research Workshop on Quantum Communication and Security, Gdansk, 2006

QUantum PRocess ESTimation 06 in Budmerice, Slovakia, 2006

Oberwolfach meetings on statistical inference for stochastic processes, 1986, semiparametric models, 1987, asymptotic theory for computer intensive methods in statistics, 1989, stochastics, 1989, statistics for stochastic processes, 1991, stochastics, 1992, mathematical statistics, 1992, asymptotics for high dimensional models, 1994, mathematical statistics, 1995, mathematical statistics, 1996, quantum information, 2005

STATISTICAL CONSULTANCY

Over the years I have done much statistical consultancy, often leading to research publications, in diverse fields (industry, law, linguistics, economics, archeology, business . . .). The supervision of master's students also often takes the form of internships at research institutes or businesses and this too often led to collaborative research and joint publications.

I am presently engaged as consultant/advisor on:

Statistics of causality and costs in smoking and health (consulting to a law firm working for the tobacco industry)

Statistical Methods for the Central Bureau of Statistics